AUTODOC CLUB

How to change rear lower arm on **Mercedes W204** – replacement guide

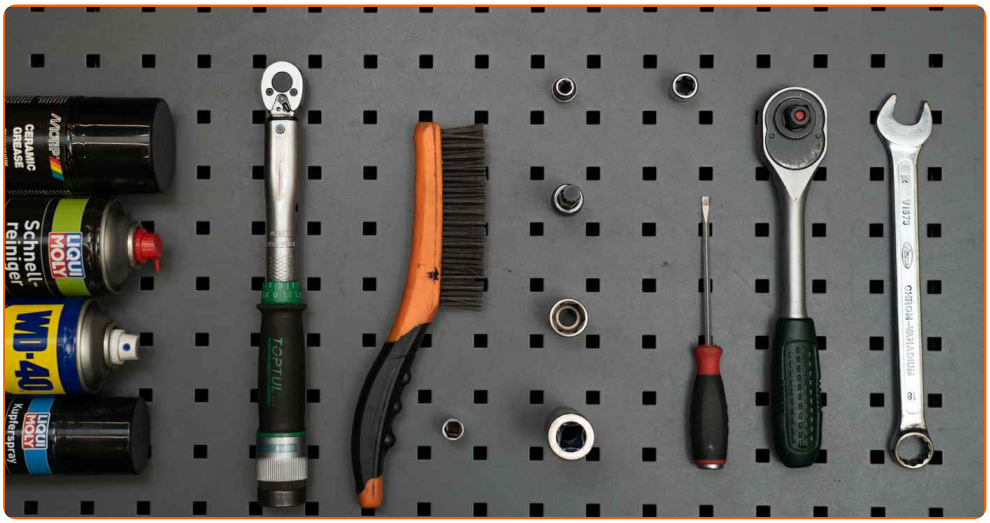
VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
MERCEDES-BENZ CLS Coupe (C218) CLS 350 (218.359), MERCEDES-BENZ CLS Coupe (C218) CLS 250 CDI / BlueTEC / d (218.303, 218.304), MERCEDES-BENZ CLS Coupe (C218) CLS 350 CDI (218.323), MERCEDES-BENZ CLS Coupe (C218) CLS 63 AMG (218.374), MERCEDES-BENZ CLS Coupe (C218) CLS 500 (218.373), MERCEDES-BENZ C-Class Saloon (W204) C 180 CDI (204.000), MERCEDES-BENZ C-Class Saloon (W204) C 300 CDI 4-matic (204.092), MERCEDES-BENZ C-Class Saloon (W204) C 350 (204.057), MERCEDES-BENZ C-Class Saloon (W204) C 350 4-matic (204.088), MERCEDES-BENZ C-Class Coupe (C204) C 63 AMG (204.377), MERCEDES-BENZ E-Class Saloon (W212) E 250 CDI / BlueTEC 4-matic (212.082, 212.097), MERCEDES-BENZ E-Class Saloon (W212) E 300 CDI / BlueTEC (212.020, 212.021, 212.027), MERCEDES-BENZ E-Class Saloon (W212) E 350 CDI (212.023), MERCEDES-BENZ E-Class Saloon (W212) E 350 CDI 4-matic (212.093), MERCEDES-BENZ E-Class Saloon (W212) E 200 NGT (212.041), (+ 325)

The steps may slightly vary depending on the car design.

REPLACEMENT: REAR LOWER ARM – MERCEDES W204. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Ceramic grease
- Copper grease
- Torque wrench
- Combination spanner #18
- Drive socket # 10
- Drive socket # 18
- Torx bit E10
- Torx bit E14
- XZN socket bit # 12
- Wheel impact socket #17
- Ratchet wrench
- Flat screwdriver
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: rear lower arm – Mercedes W204. Tip from AUTODOC:

- The replacement procedure is identical for the left and right lower control arms.
- Please note: all work on the car – Mercedes W204 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.

3 Raise the car.

Replacement: rear lower arm – Mercedes W204. AUTODOC experts recommend:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

4 Unscrew the wheel bolts.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Mercedes W204

5 Remove the wheel.

6 Unclip the fasteners and remove the suspension arm plastic cover. Use a flat screwdriver.

7 Unscrew the fasteners of the underbody plastic cover. Use a drive socket #10. Use a ratchet wrench.

8 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.

9 Unscrew the fastener that connects the suspension arm to the stub axle. Use a combination spanner #18. Use XZN #12. Use a ratchet wrench.

10 Remove the fastening bolt.

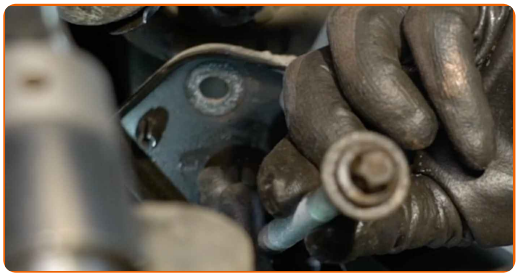
11 Clean the subframe bracket fasteners. Use a wire brush. Use WD-40 spray.

12 Support the subframe. Use a hydraulic transmission jack.

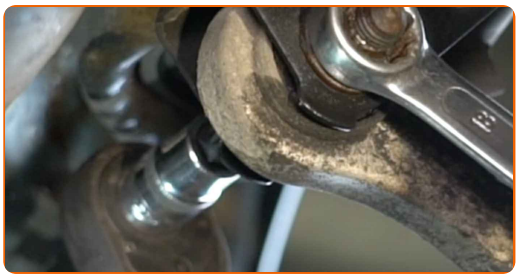
13 Unscrew the subframe bracket fasteners. This is necessary to access the upper fastening bolt of the suspension arm. Use Torx E10. Use Torx E14. Use a ratchet wrench.

14 Remove the fastening bolts.

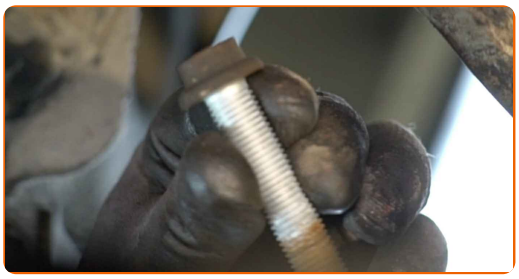
15 Remove the subframe bracket.



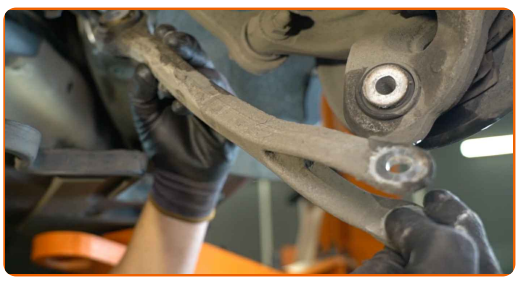
16 Unscrew the fastener connecting the control arm to the subframe. Use a combination spanner #18. Use XZN #12. Use a ratchet wrench.



17 Remove the fastening bolt.



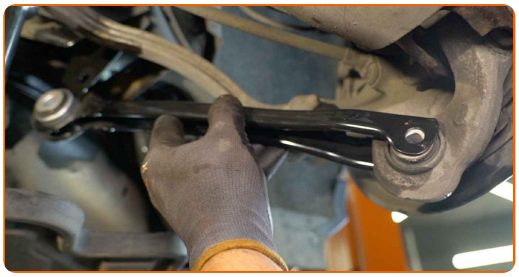
18 Remove the arm.



19 Clean the suspension arm mounting seats. Use a wire brush. Use WD-40 spray.

20 Clean the subframe bracket mounting seats. Use a wire brush. Use WD-40 spray.

21 Install a new arm.



Replacement: rear lower arm – Mercedes W204. Professionals recommend:

- During the installation process, use only new bolts and nuts.

22 Install the fastening bolts.

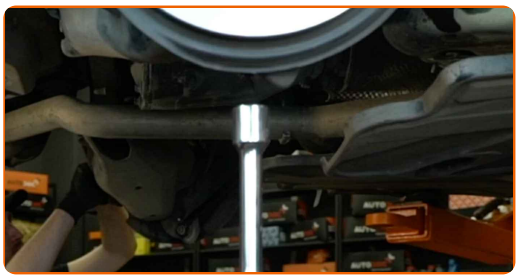
23 Install the subframe bracket.

24 Install the fastening bolts.

25 Tighten the subframe bracket fasteners. Use Torx E10. Use a torque wrench. Tighten it to 28 Nm torque.

26 Tighten the subframe bracket fasteners. Use Torx E14. Use a torque wrench. Tighten it to 80 Nm torque.+90°

27 Remove the support from under the subframe.



AUTODOC recommends:

- Replacement: rear lower arm – Mercedes W204. Tip:

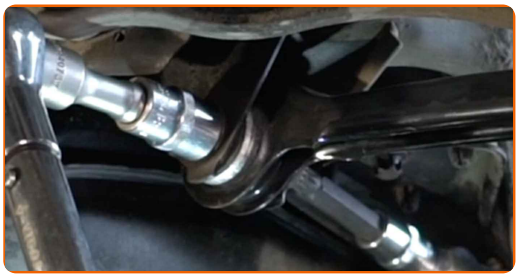
28 Support the rear knuckle. Use a hydraulic transmission jack.

AUTODOC recommends:

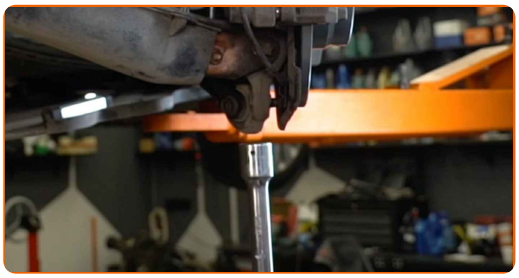
- For tightening the fasteners correctly, you have to jack up the suspension components to their working position.

29 Tighten the fastener that connects the suspension arm to the stub axle. Use a combination spanner #18. Use XZN #12. Use a torque wrench. Tighten it to 50 Nm torque.+90°

30 Tighten the fastener connecting the control arm to the subframe. Use a drive socket #18. Use XZN #12. Use a torque wrench. Tighten it to 50 Nm torque.+90°



31 Remove the support from under the rear knuckle.

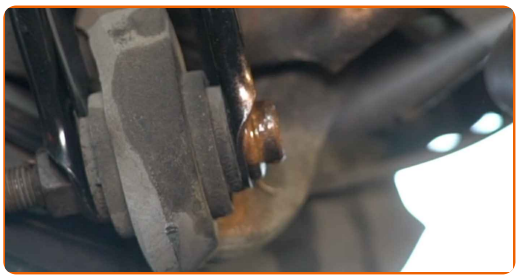


AUTODOC recommends:

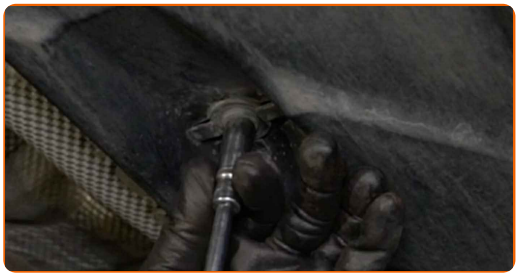
- Mercedes W204 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

32 Treat the subframe bracket fasteners. Use copper grease.

33 Treat all joints of the arm. Use copper grease.



34 Screw in the fasteners of the underbody plastic cover. Use a drive socket #10. Use a ratchet wrench.

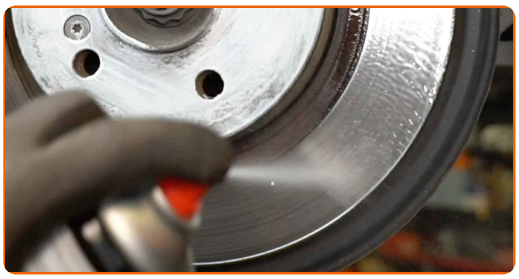


35 Install the suspension arm plastic cover.

36 Clean the wheel rim mounting seat. Use a wire brush.

37 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.

38 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: rear lower arm – Mercedes W204. After applying the spray, wait a few minutes.

39 Install the wheel.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Mercedes W204

40 Screw in the wheel bolts. Use wheel impact socket #17.

41 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 130 Nm torque.

42 Remove the jacks and chocks.

WELL DONE!

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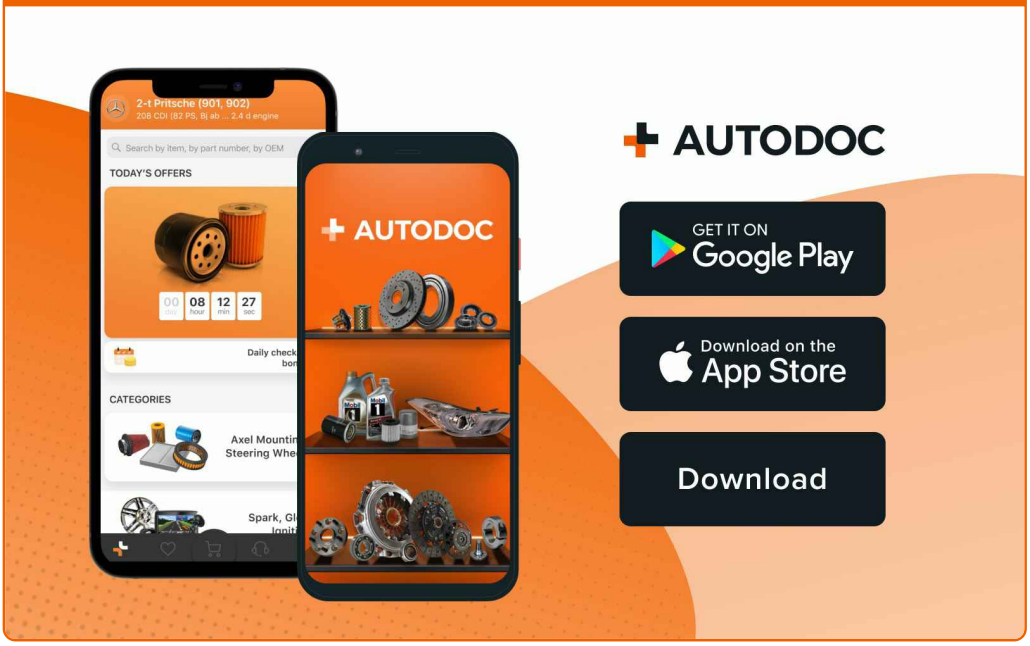

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